

TBX4 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP19015a**Specification**

TBX4 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [P57082](#)

TBX4 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 9496

Other Names

T-box transcription factor TBX4, T-box protein 4, TBX4

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

TBX4 Antibody (N-term) Blocking Peptide - Protein Information

Name TBX4

Function

Transcriptional regulator that has an essential role in the organogenesis of lungs, pelvis, and hindlimbs.

Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00201}.

TBX4 Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

TBX4 Antibody (N-term) Blocking Peptide - Images**TBX4 Antibody (N-term) Blocking Peptide - Background**

This gene is a member of a phylogenetically conserved family of genes that share a common

DNA-binding domain, the T-box. T-box genes encode transcription factors involved in the regulation of developmental processes. This gene is the human homolog of mouse Tbx4, which is closely linked to Tbx2 on mouse chromosome 11. Similarly this gene, like TBX2, maps to human chromosome 17. Expression studies in mouse and chicken show that Tbx4 is expressed in developing hindlimb, but not in forelimb buds, suggesting a role for this gene in regulating limb development and specification of limb identity.

TBX4 Antibody (N-term) Blocking Peptide - References

Kim, J.J., et al. J. Hum. Genet. 55(1):27-31(2010) Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010)
:Zhao, J., et al. BMC Med. Genet. 11, 96 (2010) :Yerges, L.M., et al. J. Bone Miner. Res. 24(12):2039-2049(2009) Gudbjartsson, D.F., et al. Nat. Genet. 40(5):609-615(2008)